Electronic Version
Stylesheet Version v1.1.1

Claims

[c1] A method and circuit for generating a signal proportional to the output current of at least one electrical power source that feeds one or more other downstream converters, comprising:
current sensing means for generating signals proportional to the instantaneous current in the switches or transformers or inductors windings of the said downstream converters;
averaging and summing means to process the said signals and generate a signal that is proportional to the sum of the input currents of the said downstream converters and also to the output current of the said power source.

[c2] A method and circuit as of claim 1, where the power source for the downstream converters is at least one front end converter.

[c3] A method and circuit as of claim 1, where the averaging and summing means is analog.

[c4] The method and circuit as of claim 1 where the averaging and summing means is digital.

[c5] A method and circuit as of claim 1, where the said signal is used for control purposes.

[c6] A method and circuit as of claim 1, where the said signal is used for monitoring purposes.